

FIG. 1A



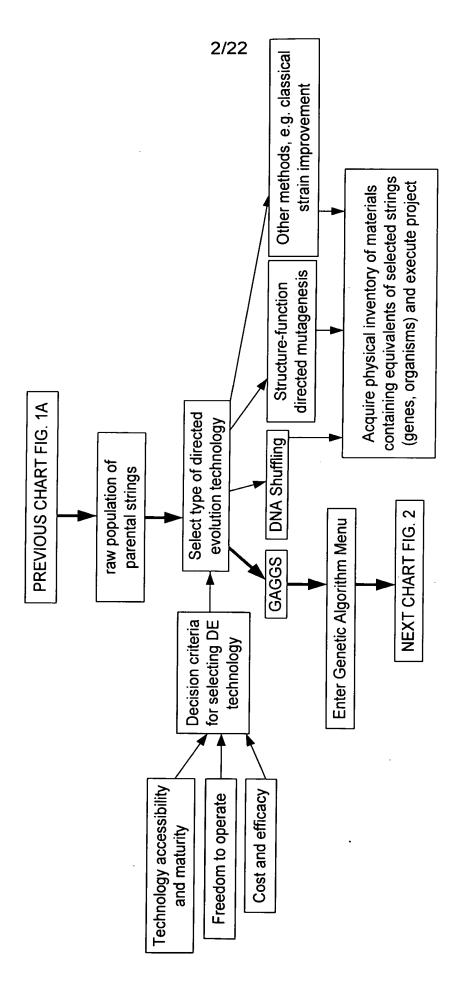


FIG. 1B



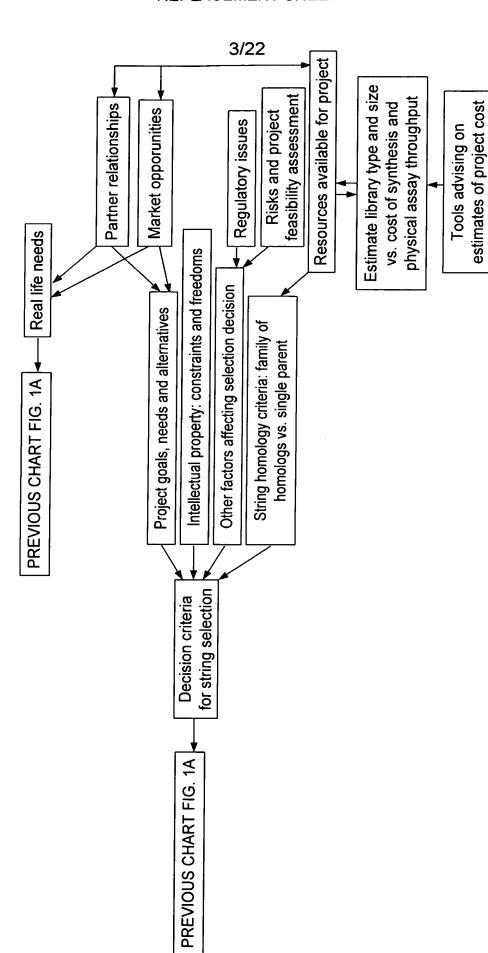


FIG. 1C



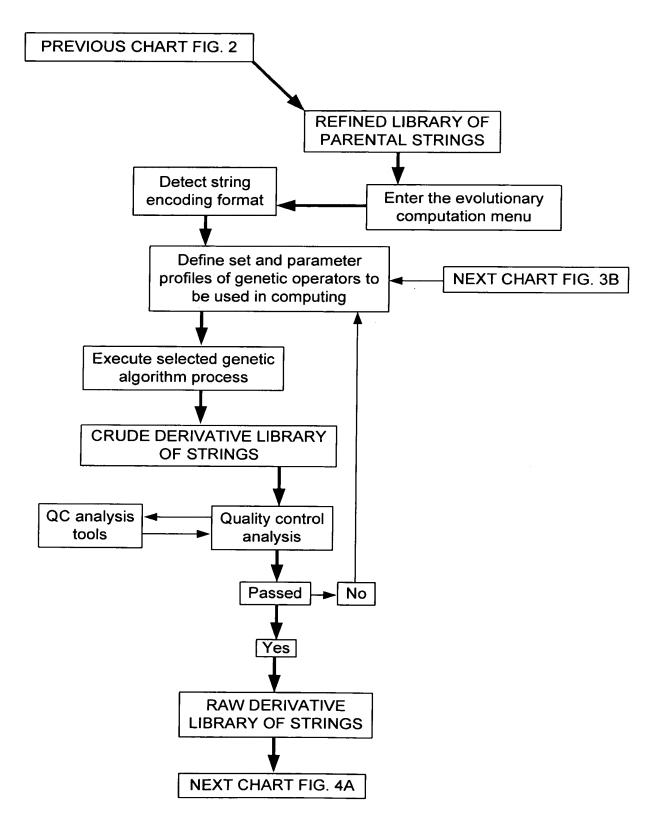
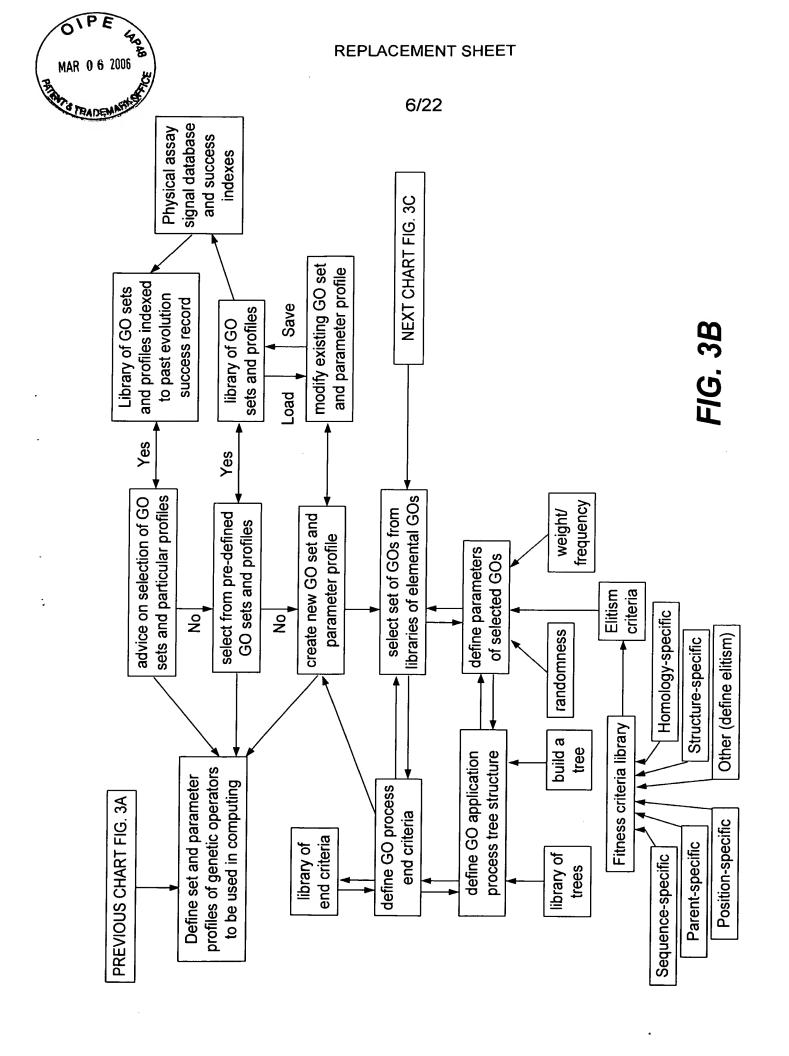
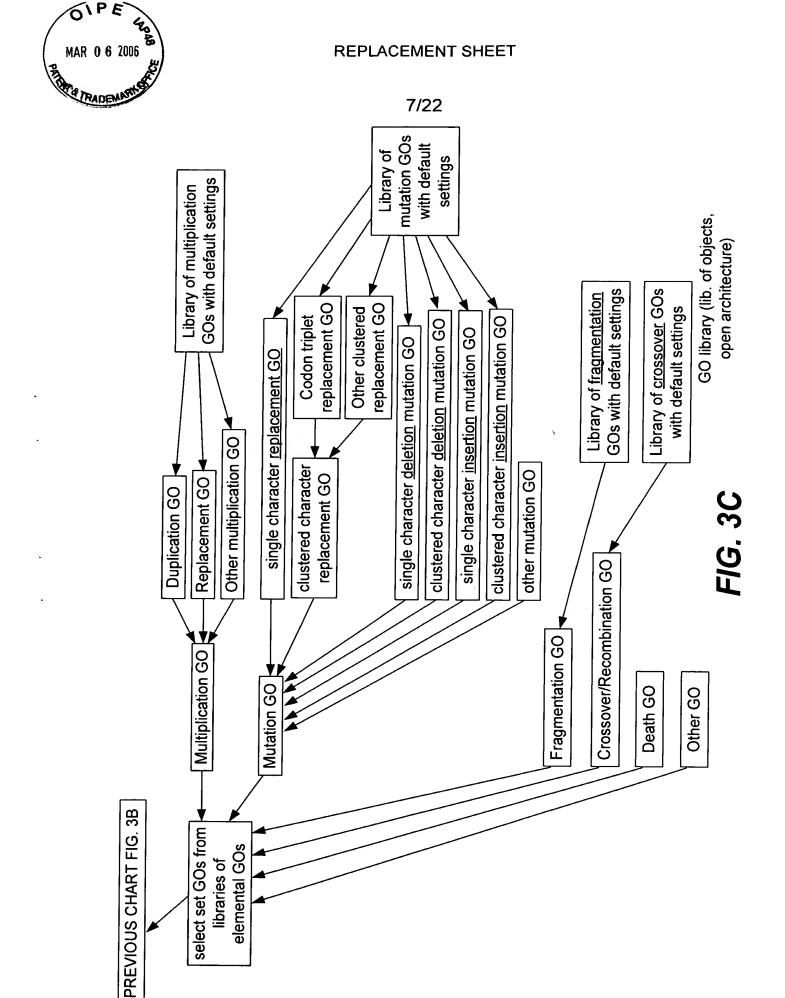
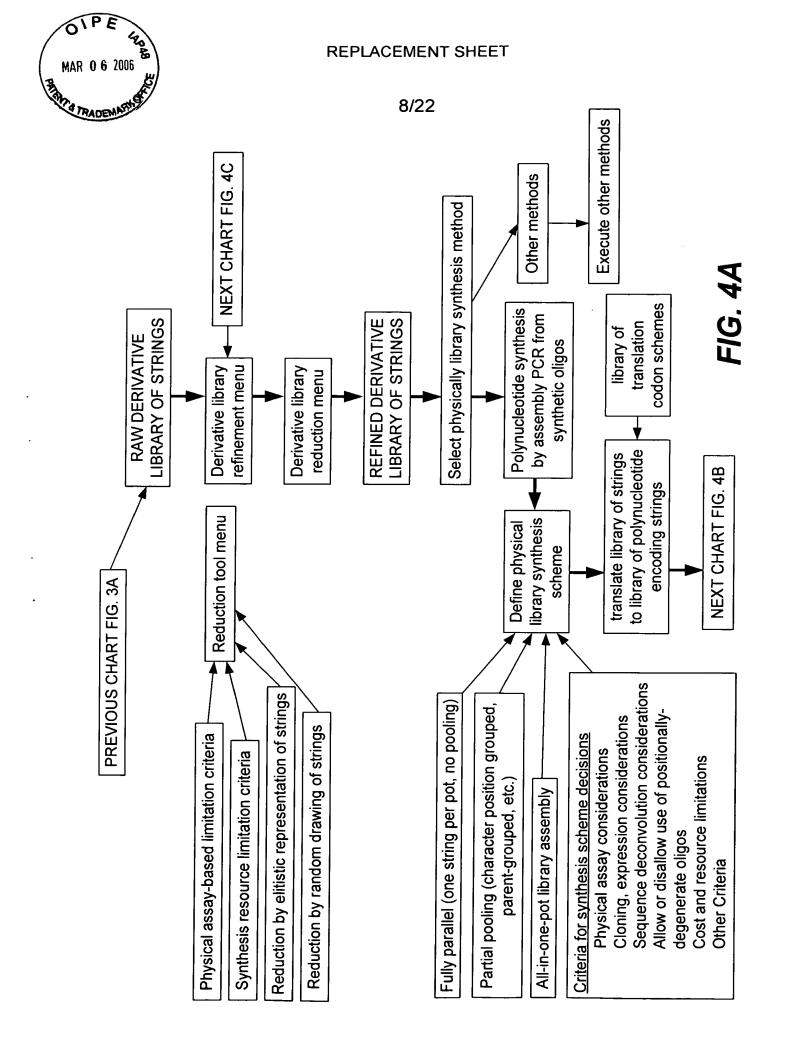


FIG. 3A









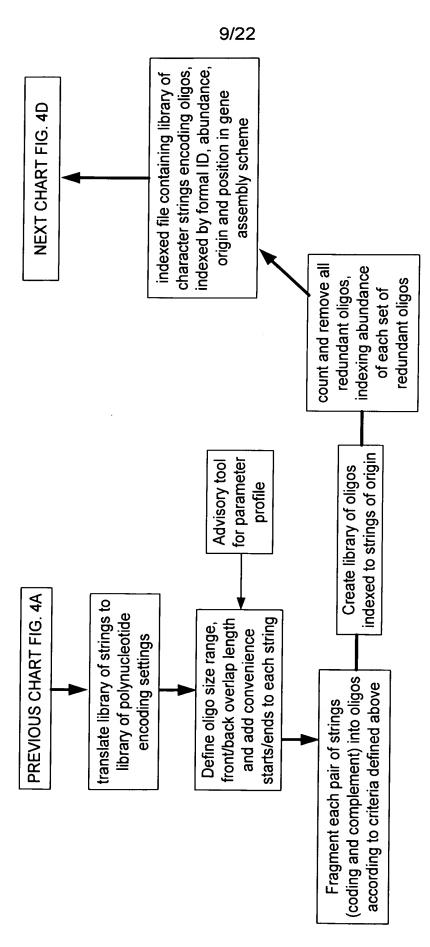
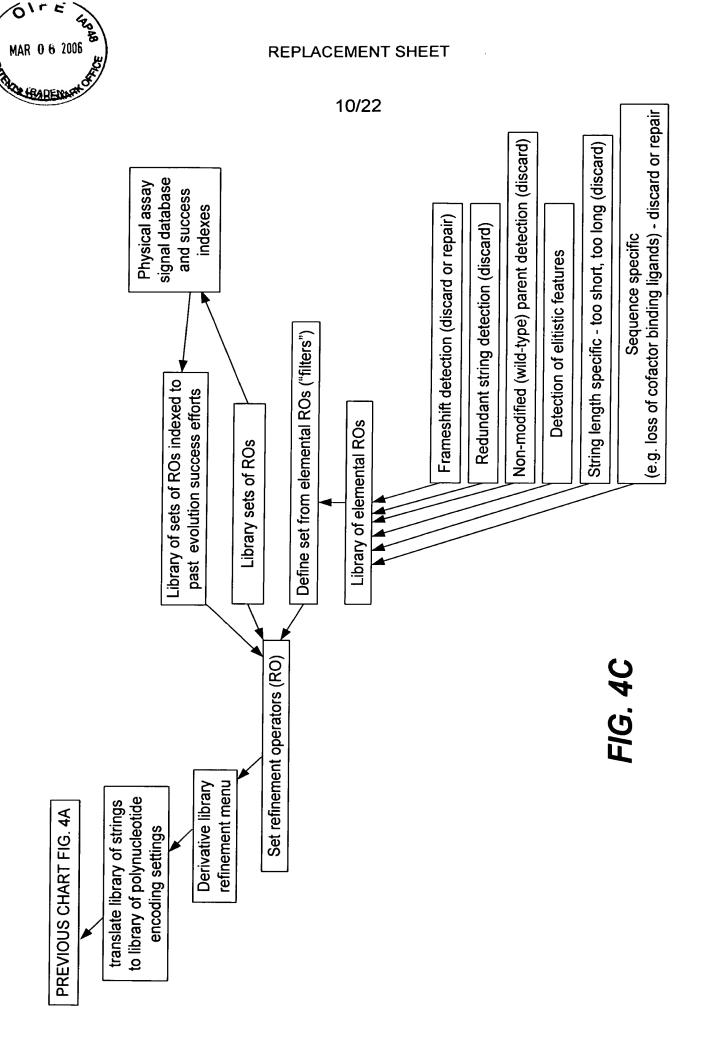


FIG. 4B





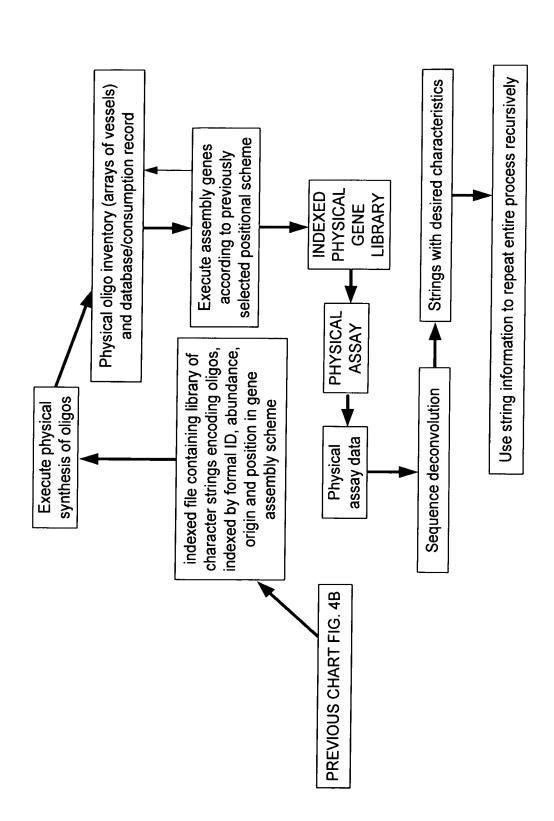


FIG. 4D



Percent Similarity

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FIG. 5A BACYAB subtilisin alk. PM A27211 synthetic 309.PM BLSC11594 subtilisin.PM BACAPRQ subtilisin. PM BACAPRS subtilisin.PM BACSBTL subtilisin.PM 182494 keratinase.PM / က 4 2 Ŋ ဖ 59.1 60.8 53.2 67.9 56.5 94.9 / 64.6 58.2 50.6 53.9 56.1 **4**.9 9 9 59.5 81.8 52.0 78.4 63.4 57.8 S 54.9 57.6 54.6 44.2 38.5 54.9 25.1 65.6 4 4 0.99 61.0 56.6 | 72.2 | 81.4 62.3 က က 51.4 63.3 62.1 52.0 2 21.0 54.4 20.5 58.6 52.5 50.5 က 2 S ဖ

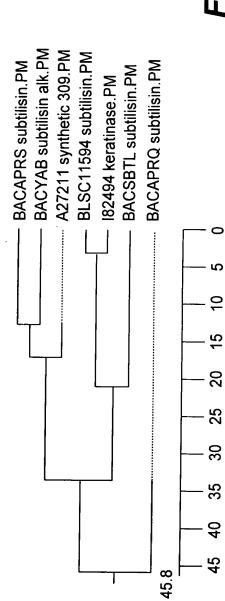


FIG. 5B

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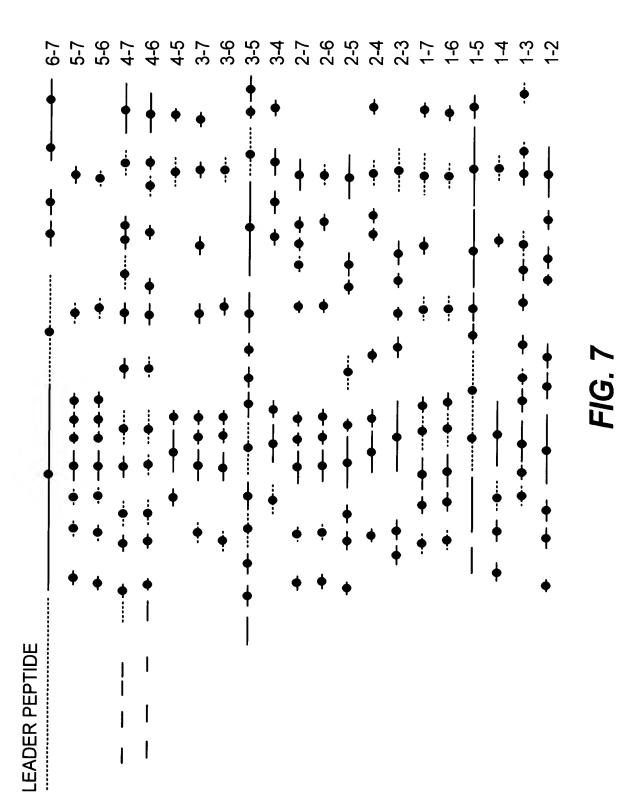
REPLACEMENT SHEET

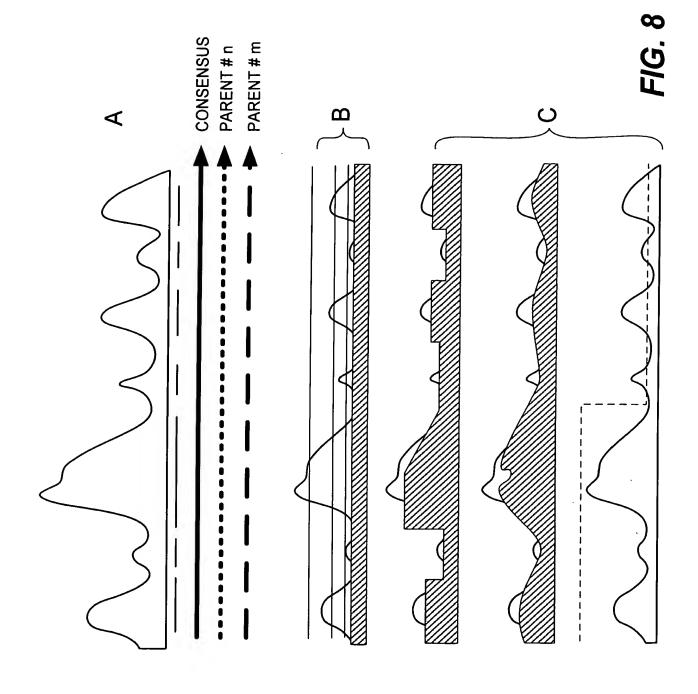
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	6-7	2-2	5-6	4-7	4-6	4-5	3-7	3-6	3-5	3-4	2-7	2-6	2-5	2-4	2-3	1-7	1-6	1-5	4-1	1. 3	1-2
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LEADER PEPTIDE				1	1																
LEADI					1																

F/G. 6







HOMOLOGY (IDENTITY) RANK

CROSSOVER YTIJIBABOR9

CORRELA

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REPLACEMENT SHEET

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Introducing indexed crossover points marker into sequence of each of the parents

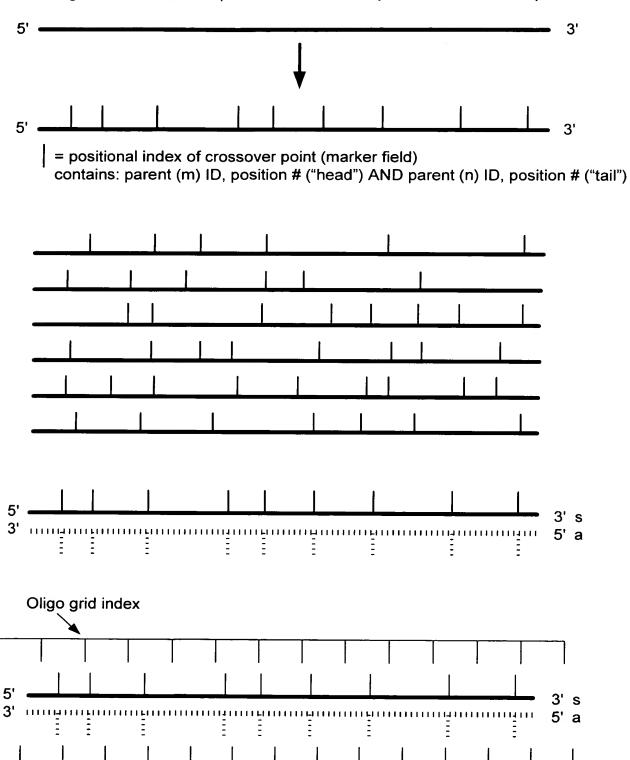


FIG. 9



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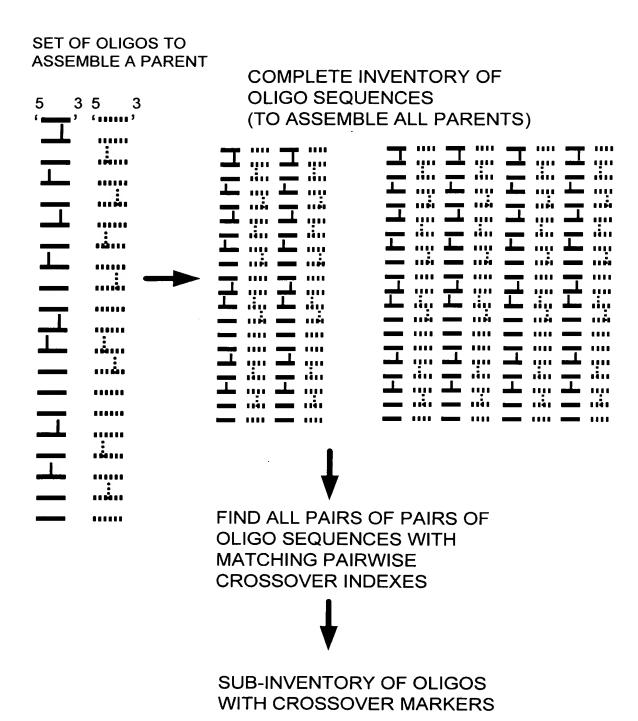


FIG. 10



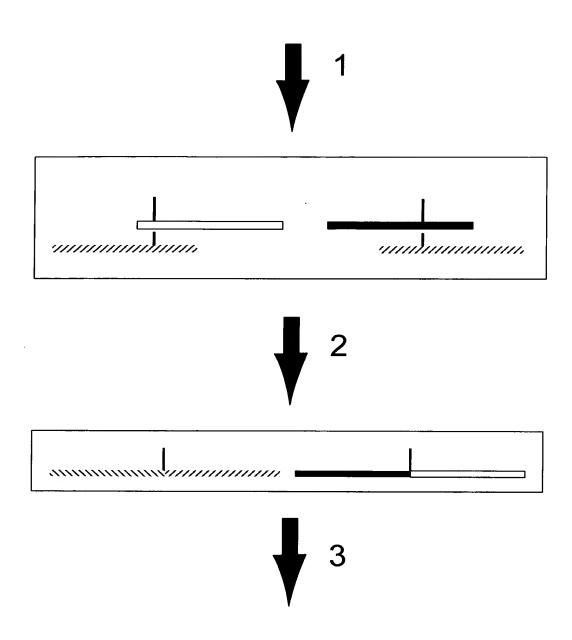


FIG. 11



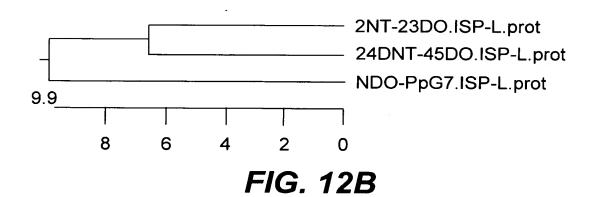
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Percent Similarity

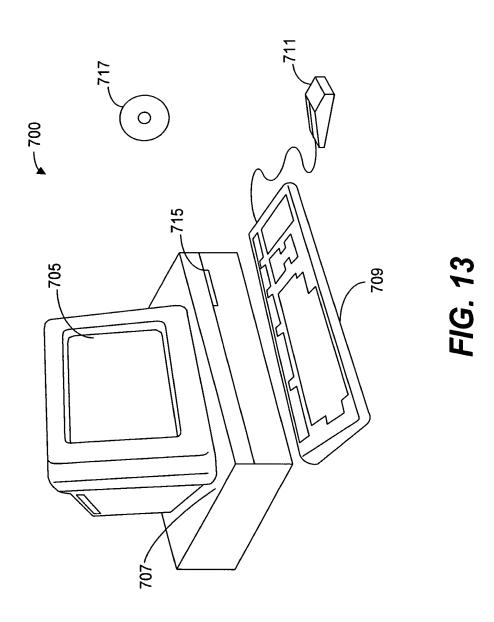
	1	2	3	
1		87.1	79.1	1
2	13.0		83.3	2
3	21.7	17.9		3
	1	2	3	

24DNT-45DO.ISP-L.prot 2NT-23DO.ISP-L.prot NDO-PpG7.ISP-L.prot

FIG. 12A

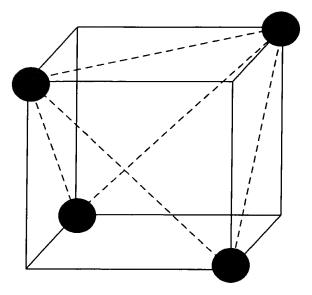








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Geometric representation Equal distance between each nucleotide

FIG. 14A

Α	-1 -1 +1
С	+1 -1 -1
G	-1 -1 +1 +1 -1 -1 -1 +1 -1
Т	+1 +1 +1

Numeric representation

FIG. 14B



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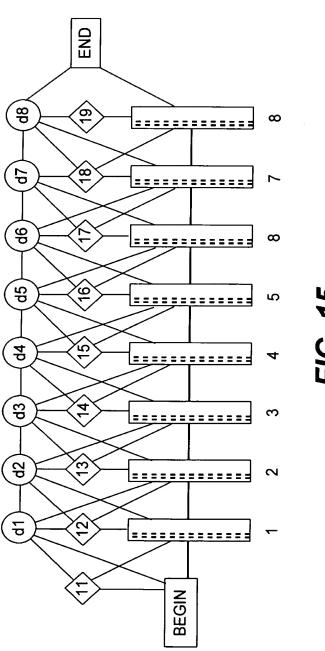


FIG. 15